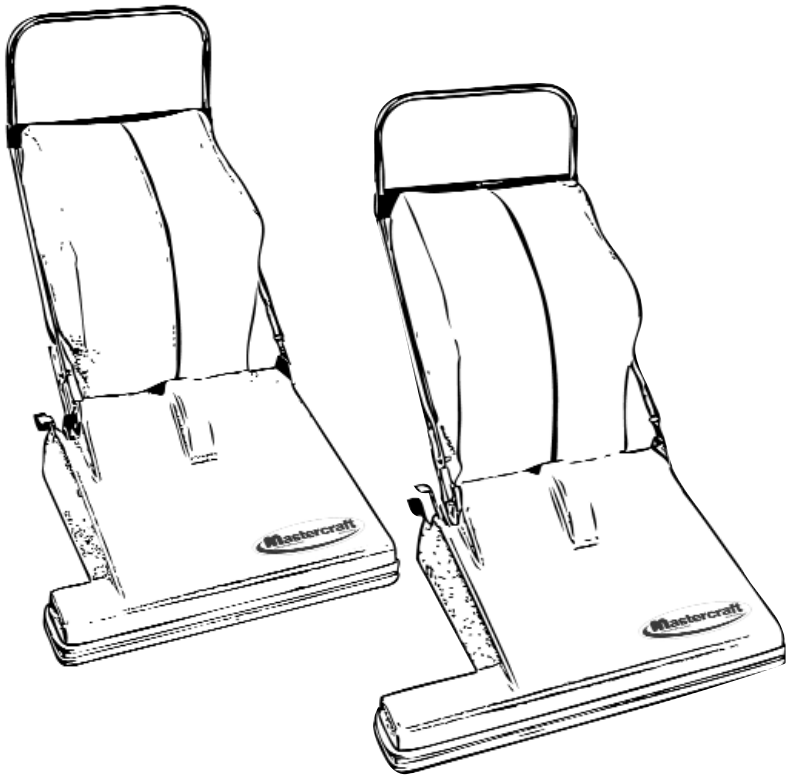
# Safety, Operation, & Maintenance Manual w/Parts List Wide Area Vacuums




**This unit is intended for commercial use.**

Mastercraft

## Read & Follow All Instructions, Warnings & Cautions Before Using This Vacuum

This vacuum cleaner will afford you many years of trouble-free operating satisfaction, provided it is given proper care. All parts have passed rigid quality control standards prior to being assembled to produce the finished product. Prior to packaging, this vacuum was again inspected for assurance of flawless assembly.

Your vacuum is protectively packed to prevent damage in shipment. We recommend that upon delivery, unpack the vacuum and inspect it for any possible damage. Only a visual examination will reveal damage that may have occurred.

If damage is discovered, immediately notify the transportation company that delivered your vacuum. As a shipper, we are unable to report claims for concealed damage. You must originate any claims within 5 days.

This manual is for your protection and information. **PLEASE READ CAREFULLY** since failure to follow precautions could result in discomfort or injury.

## Please Read Carefully Before Operating

## Save These Instructions



*PN 324272 Rev C - Wide Area Vacuum Manual - Printed in USA 01/09*

# Important Safety Instructions

**Warning:**

**To avoid electric shock, DO NOT expose to rain.**
**Store Indoors**
**When using this electric vacuum, basic precautions should always be followed, including the following:**

**1} DO NOT** leave the vacuum when plugged in. Unplug it from the outlet when not in use and before servicing.

**2}** This is **NOT** a toy. Close attention is necessary when used around or near children.

**3}** To avoid electric shock, **DO NOT** use outdoors or on wet surfaces.

**4}** Use this vacuum only as described in this safety manual. Use only manufacturer's recommended attachments and accessories.

**5} DO NOT** use this vacuum with a damaged cord or plug. If the vacuum is not working as it should, because it has been dropped, damaged, left outdoors or dropped into water, contact an authorized service center or factory.

**6} DO NOT** pull the vacuum by the cord, use cord as a handle, close a door on the cord or pull cord around sharp edges and corners. **DO NOT** run vacuum over the cord. Keep cord away from heated surfaces.

**7} DO NOT** unplug the vacuum by pulling on the cord. To unplug, grasp the plug, not the cord.

**8}** Store vacuum indoors in a dry area.

**9} DO NOT** handle the vacuum plug or vacuum with wet hands.

**10} DO NOT** put any objects into the openings. **DO NOT** use with any openings blocked; keep free of dust, lint, hair, and anything that may reduce air flow.

**11}** Turn **OFF** all of the controls before unplugging.

**12}** Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.

**13} DO NOT** pick up anything that is smoking or burning such as cigarettes, matches, or hot ashes.

**14} NEVER** vacuum floors, carpets or rugs that are wet. **NEVER** vacuum up liquids with this vacuum.

**15} DO NOT** use without dust bag and/or filters in place.

**16} DO NOT** use this vacuum to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.

**17} DO NOT** use where oxygen or anesthetics are used.

**18}** Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety and to protect your limited warranty.

**19} DO NOT** use this vacuum to pickup hard or sharp objects such a coins, pins, nails etc., as they will damage the vacuum and filter bags.

**20} DO NOT** use an extension cord unless absolutely necessary. If an extension cord is used, then wire size must be #14 gauge or larger and should not exceed 50 feet in length. The extension cord must be three-wire type to insure **GROUNDING** protection.

This vacuum must be connected to a properly grounded outlet only. See grounding instructions (Page 3).

## Save These Instructions

## Grounding Instructions

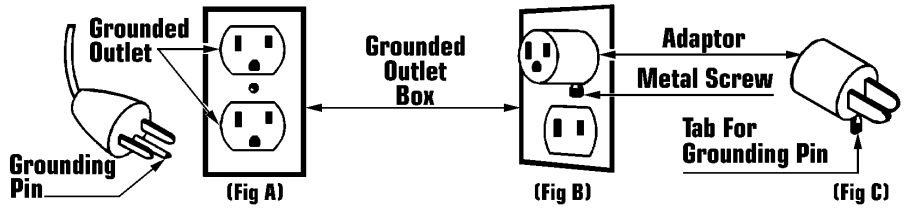
**Danger:**

**Improper use of the grounding plug can result in a risk of electric shock.**

Electrical equipment must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This vacuum is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If repair or replacement of the cord or plug is necessary, DO NOT connect the grounded wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

## Grounding Methods




This electric equipment is for use on a nominal 120 volt circuit, and has a grounded plug that looks like the plug illustrated in (Fig A). A temporary adaptor that looks like the adaptor illustrated in (Fig B & C) may be used to connect this plug to a 2-pole receptacle as shown in (Fig B) if a properly grounded outlet is not available.

The temporary adaptor should be used only until a properly grounded outlet (Fig A) can be installed by a qualified electrician. The green color rigid ear, lug or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw. (See Fig B)

**Warning:**

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.

**DO NOT** modify the plug provided with the equipment. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

**Note:** In Canada, the use of a temporary adaptor is not permitted by the Canadian Electrical Code.

## Care of this Vacuum

Treat this vacuum as you would any other high grade precision made product. Dropping, unreasonable bumping across thresholds and other misuses may result in a damaged unit which will not be covered by warranty.

Read this manual completely before operating the vacuum. It is important to follow instructions in this manual to prevent the possibility of injury or damage to the user and/or vacuum.

# Lire Toules LesInstructions Avant De Faire Fonctionner

**Avertissement:**

**Pour reduire les risques d'incendie, de choc electrique ou de blessure:**
**POUR APPAREIL SEC**
**Pour réduire les risques de choc électrique, ne pas aspirer de maitières humides, ne pas exposer à la pluie et garder l'aspirateur à l'intérieur.**

**L'utilisation d'un appareil électrique demande certaines précautions:**

**1}** Ne pas laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilise ét avant l'entretien.

**2}** Ne pas permettre aux enfants de jouer avec l'appareil. Une attention particulière est nécessaire lorsque l'appareil
est utilisé par des enfants ou à proximité de ces derniers.

**3}** N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.

**4}** Ne pas utiliser si le cordon ou la fiche est endommagé. Retourner l'appareil à un atelier de réparation s'il ne fonctionne pas bien, s'il est tombé ou s'il a été endommagé, oublié à l'extérieur ou immergé.

**5}** Ne pas apsirer de matières en combusion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.

**6}** Ne pas tirer, soulever ou traîner l'appareil par le cordon. Ne pas utiliser le cordon comme une poignée, le coincer dans l'embrasure d'une porte ou l'appuyer contre des arêtes vives ou des coins. Ne pas faire rouler l'appareil sur le cordon. Garder le cordon à l'écarte des surfaces chaudes.

**7}** Ne pas débrancher en tirant sur le cordon. Tirer plutôt la fiche.

**8}** N'insérer aucun objet dans les ouvertures. Ne pas utiliser l'appareil lorsqu'une ouverture est bloquée. S'assurer que de la poussière, de la peluche, des cheveux ou d'autres matières ne réduisent pas le débit d'air.

**9}** Ne pas toucher la fiche ou l'appareil lorsque vos mains sont humides.

**10}** Maintenir les cheveux, les vêtements amples, les doigts et toutes les parties du corps à l'écart des ouvertures et des pièces mobiles.

**11}** Ne pas utiliser l'appareil si le sac à poussière ou le filtre n'est pas en place.

**12}** Mettre toutes les commandes à la position ARRET avant dé debrancher l'appareil.

**13}** User de prudence lors du nettoyage des escaliers.

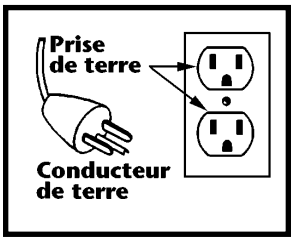
**14}** Ne pas aspirer des liquides inflammables ou combustibles, comme de l'essence, et ne pas faire fonctionner dans des endroits où peuvent se trouver de tels liquides.

**15}** Toujours mettre l'interruptuer de l'appariel à la position ARRET avant de brancher ou de débrancher la brosse à moteur.

**16}** Ne brancher qu'à une prise de courant avec mise àla terre. Voir les instructions visant la mise à la terre.

# Instructions Visant La Mise A La Terri

Cet appareil doit être mis à la terre. En cas dé défaillance ou de panne éventuelles, la mise à la terre fournit au courant un chemin de moindre résistance qui réduit le risque de choc électrique. Cet appareil est pourvu d'un cordon muni d'un conducteur de terre et d'une fiche avec broche de terre. La fiche doit être branchée dans une prise appropriée correctement instalée et mise à la terre conformément aux règlements et ordonnances municipaux.




Cet appareil est destiné à un circuit de 120V et est muni d'une fiche de mise à la terre semblable à celle illustrée par le croquis A de la figure "A". S'assurer que l'appareil est branché à une prise de courant ayant la même configuration que la fiche. Aucun adaptatteur ne devrait être utilisé avec cet appareil.

**Avertissement:**

Un conducteur de terre mal raccordé peut entraîner un risque de choc électrique. Consulter un électricien ou un technicien d'entretien qualifié si vous n'êtes pas certain que la prise soit correctement mise à la terre. Ne pas modifier la fiche fournie avec l'appareil-si elle ne peut être inséreé dans la prise, faire installer une prise adéquate par un électricien qualifié.

## Conserver Ces Instructions

# About The Wide Area Vacuum

This vacuum is designed to efficiently clean large areas of carpets. It also performs very well on hard surface floors. The heavy duty motor provides power for the brush and rotating fan. The large capacity filter bag, foot switch and foot pedal for nozzle height adjustment provide convenient operation.

The Chevron pattern brush pushes dirt toward center of the brush and vacuum inlet for pickup.

In areas where more than average dirt is present, it is recommended that a second pass be made over the surface.

Back up the vacuum to lift carpet nap, thus helping to remove the heavy, deep dirt or sand.

This vacuum must be connected to the correct power source to correspond to the data on the name plate.

# Operation Instructions

**1}** Remove the wide area vacuum from the carton.

**2}** Flip the handle up into the upright position and secure in place with the speed pin attached to the handle bracket.

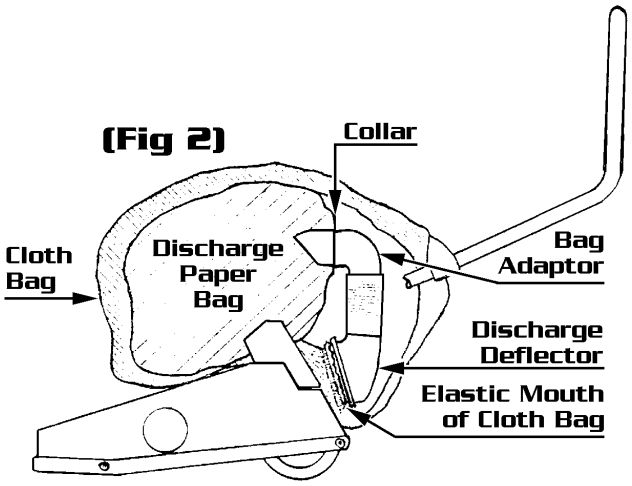
**3)** Remove cloth filter bag from the carton and attach it to vacuum with zipper, facing the front of the unit. Stretch mouth of the bag completely over discharge port on bact of vacuum.See fig 2.

**4}** Assemble the hose and bag adaptor to the cast discharge deflector at rear of the vacuum, with bag adaptor facing front of unit. See fig 2.

**5}** Install a paper filter bag to the bag adaptor by grasping the bag's cardboard collar, pulling it forward on to the adaptor.

**6}** Zip up the filter bag and secure it to the handle with wrap-around velcro strap.

**(Fig 2)**




# Operation and Care Information

**1}** When removing the dust bag or inspecting the blower fan and brush, disconnect power cord plug from the wall outlet.

**2}** The brush belt guard and thread guard are designed to prevent threads and strings from binding the brush. Inspect the brush frequently for obstructions and removed them to prevent damage to bristles.

**3) DO NOT** pickup large metal slugs, metal shavings or similar debris. Also, care must be taken so as not to suck up loose carpet or other such bulky articles.

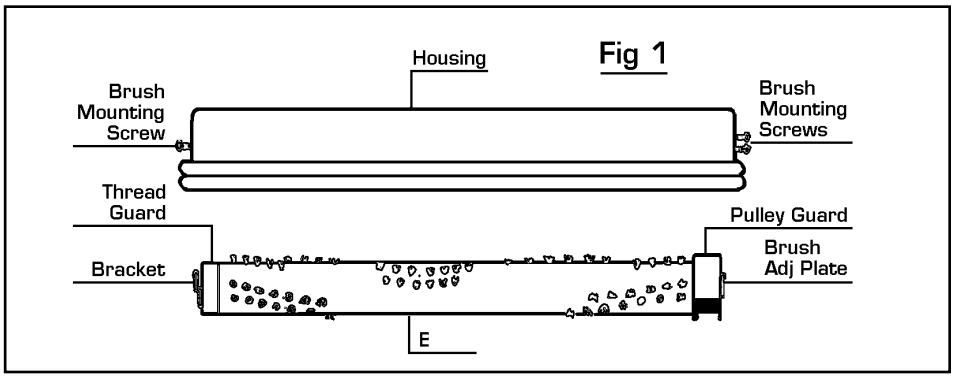
**4}** When the vacuum is not in use or in storage, to prevent damage, lift brush bristles off the floor.

**5}** Wrap the power cord around the handle when the vacuum is not in use.

**6}** The vacuum handle can be stored in the full vertical position or folded down flat in the vertical positioned for packing.

**7}** Periodically the motor should be cleaned out using compressed-air. Especially when used on new carpet or in a dusty area.

# Brush Nozzle and Belt Adjustment




## Brush Adjustment

The top pedal at the right rear is used to adjust the brush up from the carpet floor. There are five basic setting that can be changed by adjusting the front caster height. Adjust the caster so it provides level contact of the bristles to the carpet floor.

To lower the brush, depress the lower pedal at right rear of the vacuum, using slow positive pressure, release one notch of ratchet at a time.

## Nozzle Adjustment

The nozzle should be set for various carpet nat heights. Carpets with low nap use the lower settings, high nap the higher settings. The highest settings consistent with good cleaning should be used for the type of carpet being cleaned.

Setting nozzle lower than necessary may not result in good cleaning performance. Excessive wear to the carpet and brush bristles occurs and the vacuum is difficult to push.

## Belt Adjustment

Adjust the belts for wear by loosening the brush mounting screws. Pull the brush forward until the belt is taut, retighten the screws.

See brush assembly schematic, parts list and fig 1.

# Care and Maintenance

## Cloth Filter Bag

The outside cloth filter bag should be kept clean for best cleaning results.

**To Clean:**

**1}** Release velcro bag strap, remove paper filter bag and cloth bag. Turn the cloth bag inside out through the zipper opening and shake out bag.

**2}** Replace the cleaned cloth filter bag and install a new paper filter bag.

## Brush Assembly

When the brush assembly is worn is must be replaced.

**To Replace:**

**1}** Remove the belt cover, screws (2) at each end of the brush housing.

**2}** Remove the bracket, thread guard, install new brush and re-assemble.

**3}** Replace belt and adjust as instructed above

## Power Cord

Check the power cord for worn spots, and breaks. Replace if defective for safety of the operator.

When the vacuum is not in use wrap the cord around the handle.

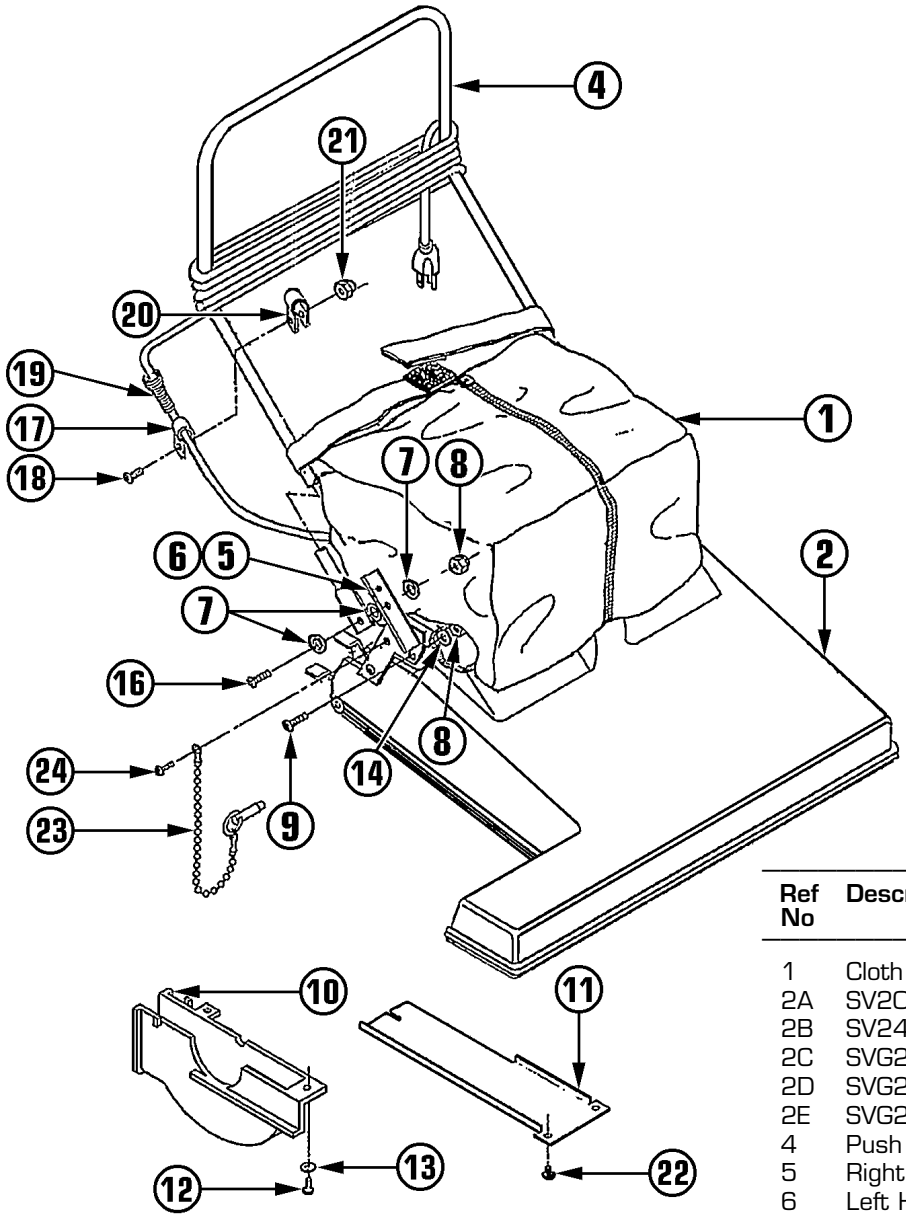
# Helpful cleaning Tips

**1}** On heavily soiled carpet, push the vacuum back and forth. This lifts the carpet pile and helps remove dirt.

**1}** On hard floor surfaces use the lowest setting.

**1}** Airborne dust is kept to a minimum when the cloth filter bag and paper filer bag are kept clean.

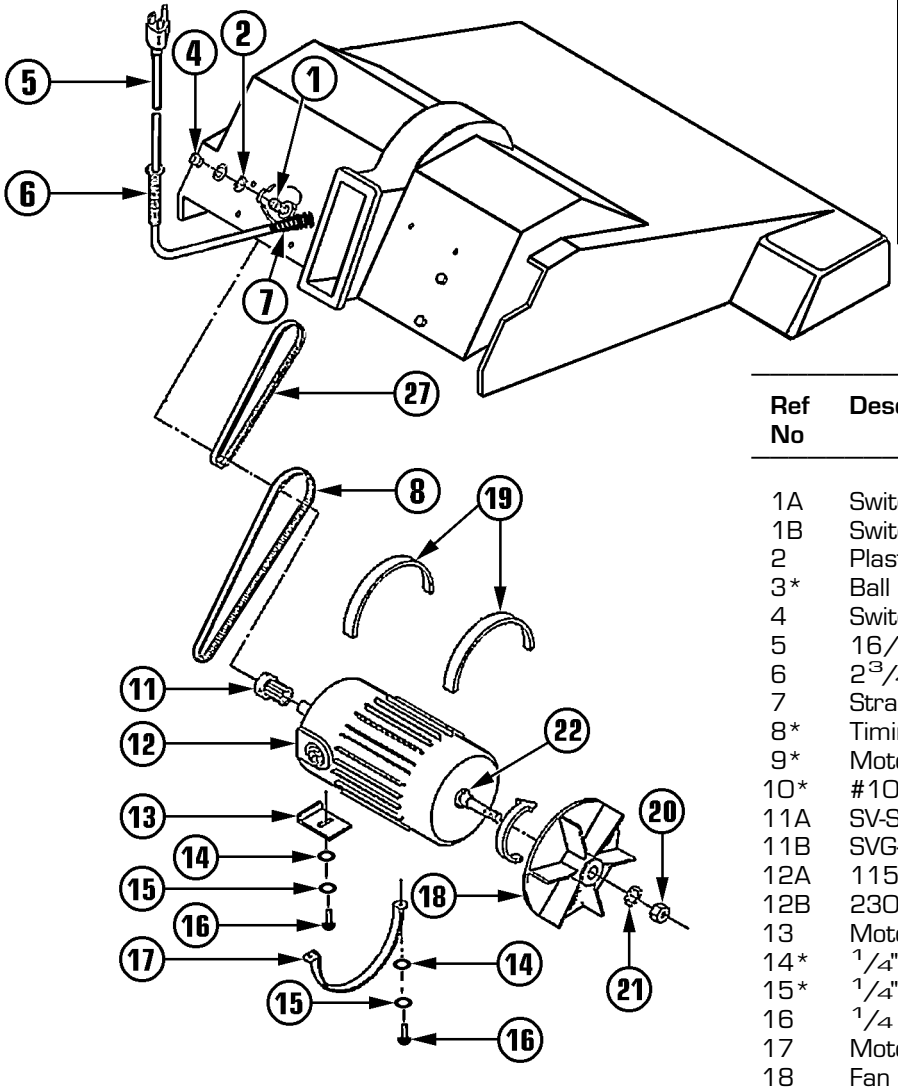
# Housing/Bag/Handle Replacement Parts List

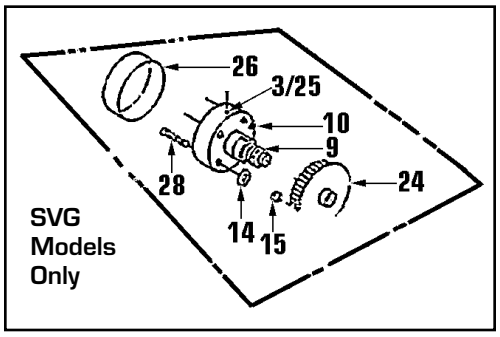



| Ref No | Description | Qty | Part No |
|---|---|---|---|
| 1 | Cloth Filter Bag (Grey) | 1 | 240125 |
| 2A | SV200 - 20" Housing (Blue) | 1 | 381926A |
| 2B | SV240 - 24" Housing (Blue) | 1 | 396036A |
| 2C | SVG201 - 20" Housing (Blue) | 1 | 317667A |
| 2D | SVG241 - 24" Housing (Blue) | 1 | 314609A |
| 2E | SVG281 - 28" Housing (Blue) | 1 | 396044A |
| 4 | Push Handle | 1 | 318523 |
| 5 | Right Handle Bracket | 1 | 315583 |
| 6 | Left Handle Bracket | 1 | 315591 |
| 7 | Flat Brass Washer | 6 | 380679 |
| 8 | 1/4 - 20 Nylock Nut | 6 | 380784 |
| 9 | 1/4 - 20 X 7/8" Screw | 4 | 318884 |
| 10 | Fan Cover | 1 | 381195 |
| 11 | Intake Cover | 1 | 381268 |
| 12 | 8 - 32 X 1/4" Screw | 2 | 380598 |
| 13 | #8 Int Tooth Lockwasher | 2 | 380709 |
| 14 | Flat Washer | 4 | 380652 |
| 16 | 1/4 - 20 X 3/4" Screw | 2 | 342831 |
| 17 | Clamp | 1 | 381055 |
| 18 | 1/4 - 20 X 5/8" Hex Bolt | 1 | 360848 |
| 19 | 2 3/4 X 3/4" Spring | 1 | 381160 |
| 20 | 7/8" Clip w/Vinyl | 1 | 318922 |
| 21 | 1/4 - 20 Acorn Nut | 1 | 328146 |
| 22 | 8-32 X 3/8" Screw | 3 | 367389 |
| 23 | Speed Pin Assembly | 1 | 321001 |
| 24 | 10 - 24 X 1/2" Self-Tap Screw | 1 | 385379 |

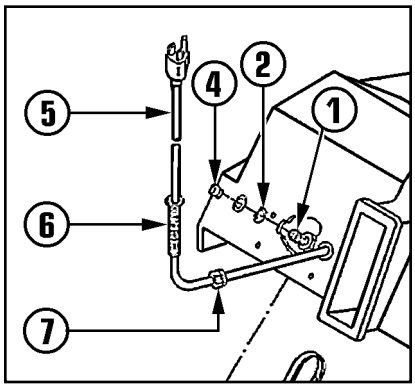
# Motor & Brush Drive

## Replacement Parts List




| Ref No | Description | Qty | Part No |
|---|---|---|---|
| 1A | Switch w/Terminal (115 Volt) | 1 | 381012 |
| 1B | Switch w/Terminal (230 Volt) | 1 | 382124 |
| 2 | Plastic Spacer | 1 | 381853 |
| 3* | Ball Bearings | 2 | 315680 |
| 4 | Switch Button Cover | 1 | 381039 |
| 5 | 16/3 - 60 Ft Line Cord | 1 | 381896 |
| 6 | 2 3/4 X 1 1/2" Spring | 1 | 381160 |
| 7 | Strain Relief | 1 | 443379 |
| 8* | Timing Belt | 1 | 315605 |
| 9* | Motor Drive Pulley | 1 | 381209 |
| 10* | #10 - 24 X 1/4" Set Screw | 2 | 380644 |
| 11A | SV-Series Motor Pulley | 1 | 381209 |
| 11B | SVG-Series Motor Pulley | 1 | 315621 |
| 12A | 115 Volt Motor | 1 | 381950 |
| 12B | 230 Volt Motor | 1 | 381535 |
| 13 | Motor Clamp Bracket | 2 | 381578 |
| 14* | 1/4" Flat Washer | 8 | 380652 |
| 15* | 1/4" Lock Washer | 4 | 342858 |
| 16 | 1/4 - 20 X 5/8" Hex Bolt | 4 | 342831 |
| 17 | Motor Clamp | 1 | 381403 |
| 18 | Fan Motor | 1 | 457353 |
| 19 | 6" Strip Gasket | 4 | 381640 |
| 20 | 1/2- 20 X 3/4"Hex Nut | 1 | 380776 |
| 21 | Steel Tooth Washer | 1 | 381780 |
| 22 | Motor Seal 'V-Ring' | 1 | 380563 |
| 23* | 1/4 - 20 Locknut | 4 | 380784 |
| 24* | Timing Belt Pulley | 1 | 315664 |
| 25* | Bearing Housing | 1 | 315389 |
| 26* | Vinyl Cap | 1 | 317152 |
| 27A | SV-Series Poly V Belt | 1 | 381071 |
| 27B | SVG-Series Poly V Belt | 1 | 315613 |
| 28* | 1/4- 20 X 1 1/2" Screw | 4 | 318914 |
| 29* | Keeper Ring (Not Shown) | 1 | 315702 |
| 30* | Jack Shaft (Not Shown) | 1 | 315397 |
| 31* | Jack Shaft Assembly (N/S) | 1 | 316903 |
| 32* | Jack Shaft Assy w/Pulley (N/S) | 1 | 344672 |
| N/S | Motor Bearing - 115 Volt | 1 | 382167 |
| N/S | Carbon Brush - 115 Volt | 1 | 382132 |

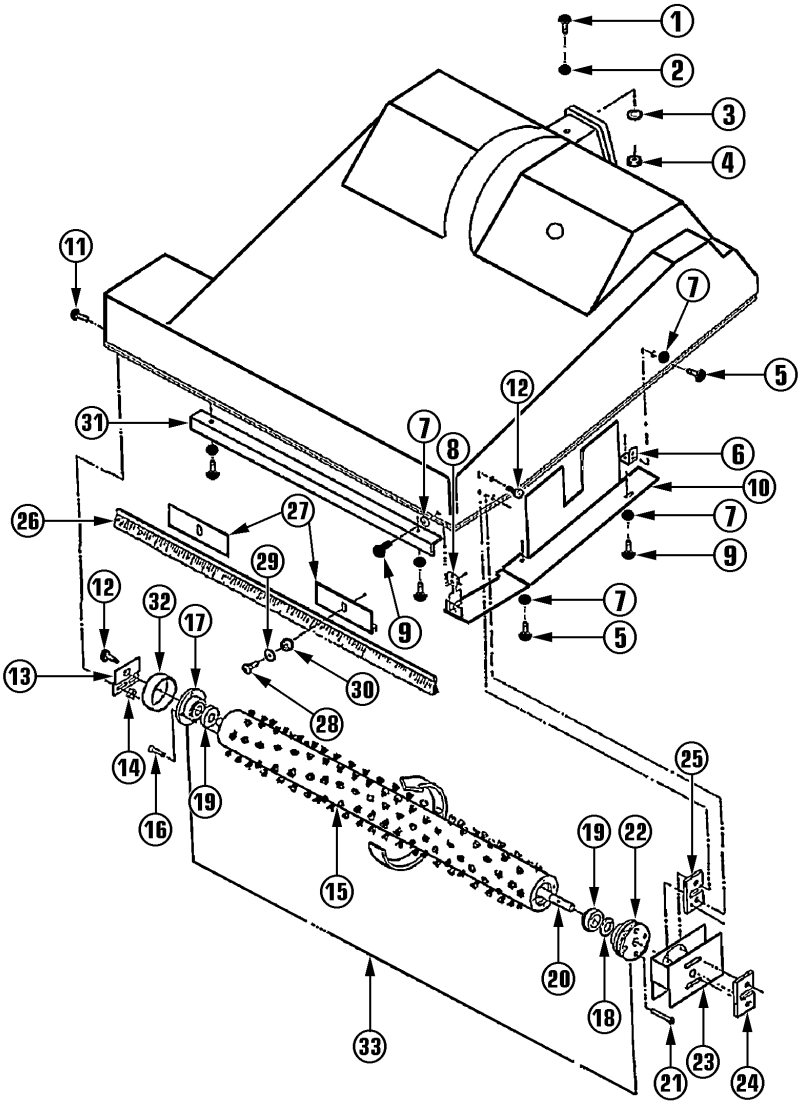



*** SVG Vacuums only.**

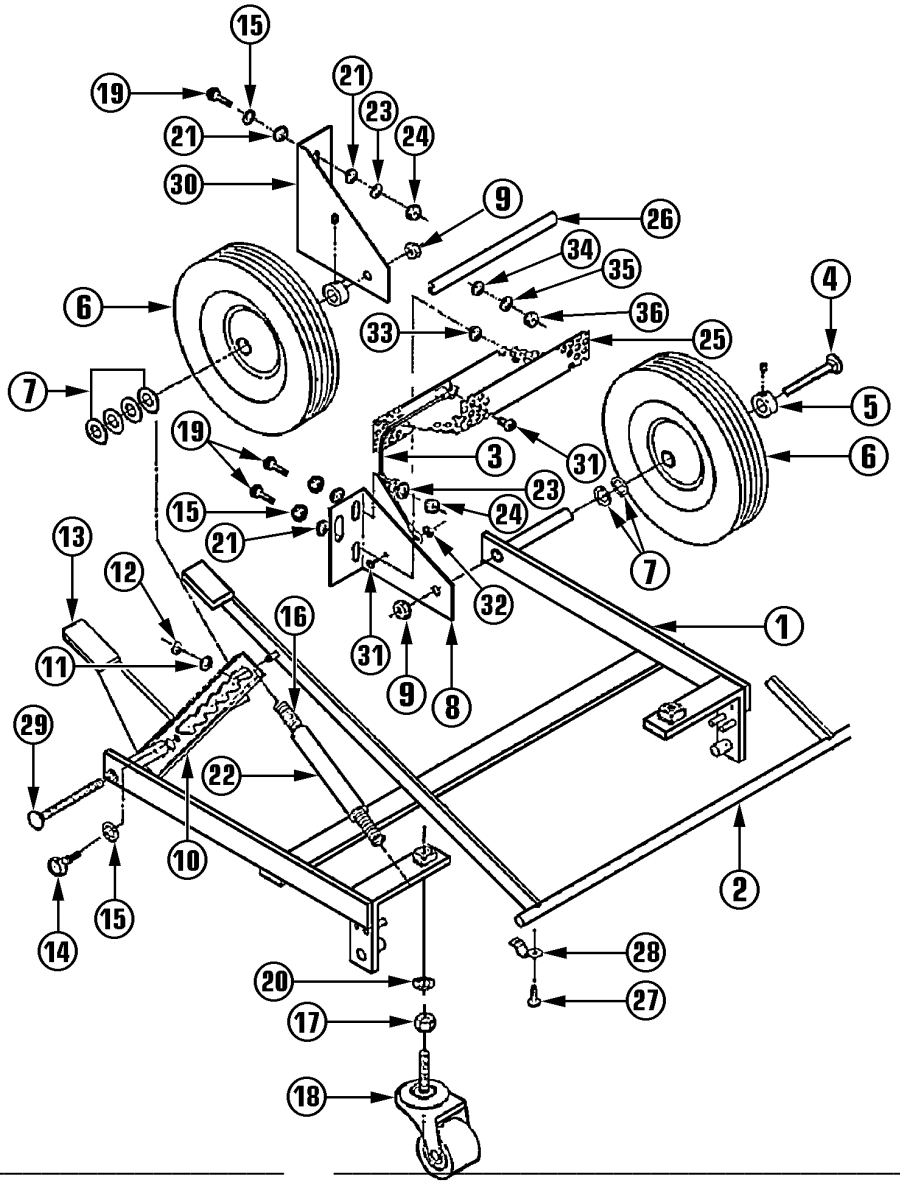
# Brush & Body Replacement Parts List

| Ref No | Part Description | Qty | Part No |
|---|---|---|---|
| 1 | 1/4- 20 X 3/4" Screw | 1 | 342831 |
| 2 | Flat Washer | 1 | 380652 |
| 3 | 1/4" Split Lockwasher | 1 | 342858 |
| 4 | 1/4- 20 Nut | 1 | 380881 |
| 5 | 8 -18 X 5/8" Screw | 2 | 381799 |
| 6 | Tinnerman | 1 | 381616 |
| 7 | #8 Int Tooth Lockwasher | 6 | 380709 |
| 8 | Tinnerman | 1 | 380873 |
| 9 | 8 -18 X 5/8" Screw | 2 | 381799 |
| 10A | SV-Series Belt Guard | 1 | 381365 |
| 10B | SVG-Series Belt Guard | 1 | 316881 |
| 11 | 10 - 24 X 1/2" Screw | 2 | 380938 |
| 12 | 10 - 24 X 5/8" Screw | 3 | 380997 |
| 13 | Brush Bracket | 1 | 381233 |
| 14 | 10-24 Nut Hex | 2 | 381004 |
| 15A | SV200 - 20" Brush | 1 | 381497 |
| 15B | SV240 - 24" Brush | 1 | 268399 |
| 15C | SV280 - 28" Brush | 1 | 267961 |
| 15D | SVG201 - 20" Brush | 1 | 320420 |
| 15D | SVG241 - 24" Brush | 1 | 268399 |
| 15E | SVG281 - 28" Brush | 1 | 267961 |
| 16 | 8 - 18 X 1" Hi-Low Screw | 4 | 388629 |
| 17 | Brush Cap | 1 | 381225 |
| 18 | Felt Washer | 2 | 381187 |
| 19 | Double Seal Bearing | 2 | 380849 |
| 20A | 20" Brush Shaft | 1 | 381462 |
| 20B | 24" Brush Shaft | 1 | 381276 |
| 20C | 28" Brush Shaft | 1 | 381470 |
| 21 | 8 - 18 X 1 1/4" Hi-Lo Screw | 4 | 388637 |
| 22 | Brush Pulley | 1 | 381217 |
| 23 | Dust Guard | 1 | 381446 |
| 24 | Reinforcing Plate | 1 | 381500 |
| 25 | Reinforcing Plate | 1 | 381411 |
| 26A | 20" Brush Strip | 1 | 318493 |
| 26B | 24" Brush Strip | 1 | 318507 |
| 26C | 28" Brush Strip | 1 | 318515 |
| 27 | Brush Strip Holder | 2 | 317144 |
| 28 | #10 - 24 X 1/2" Screw | 2 | 385379 |
| 29 | Burr Washer | 4 | 369519 |
| 30 | Nylon Flat Washer | 4 | 361054 |
| 31 | Baffle | 1 | 381306 |
| 32 | Thread Guard | 1 | 381527 |
| 33A | SV200 - 20" Brush Assy | 1 | 382310 |
| 33B | SV240 - 24" Brush Assy | 1 | 382329 |
| 33C | SV280 - 28" Brush Assy | 1 | 382337 |
| 33D | SVG201 - 20" Brush Assy | 1 | 321095 |
| 33E | SVG241 - 24" Brush Assy | 1 | 321052 |
| 33F | SVG281 - 28" Brush Assy | 1 | 321141 |
| 34A* | 20" Ft Nozzle Baffle Strip | 1 | 317160 |
| 34B* | 24" Ft Nozzle Baffle Strip | 1 | 315419 |
| 34C* | 28" Ft Nozzle Baffle Strip | 1 | 317195 |

*Not Shown

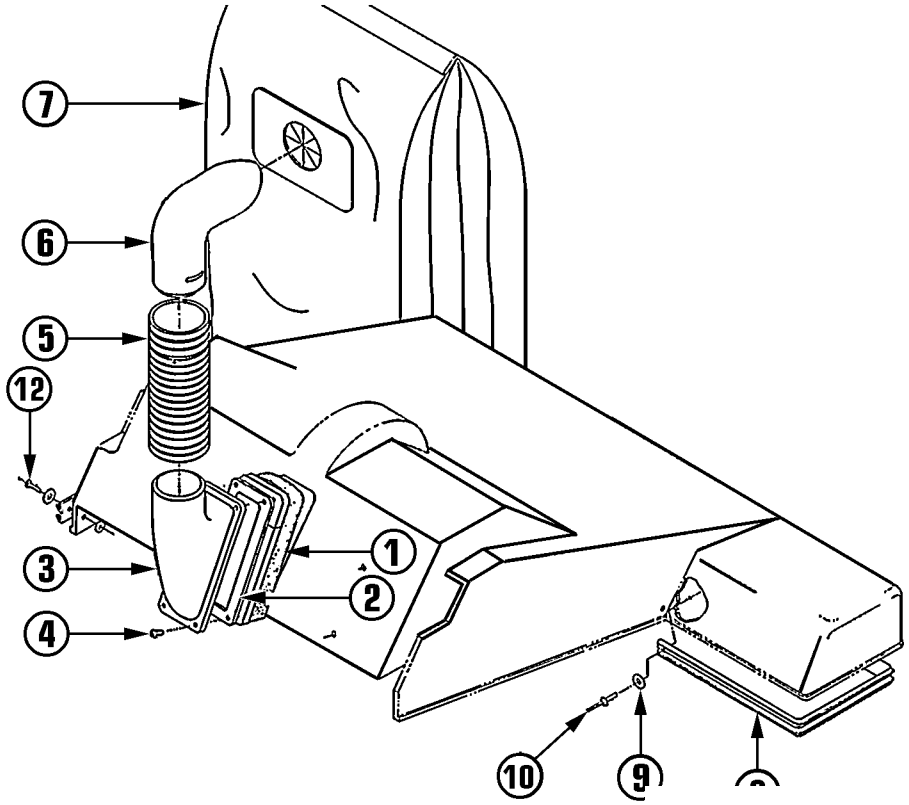


# Chassis Replacement Parts List




| Ref No | Part Description | Qty | Part No |
|---|---|---|---|
| 1 | Frame Assembly | 1 | 381357 |
| 2 | Linkage Assembly | 1 | 381349 |
| 3 | Ground Lead w/Terminals | 1 | 383031 |
| 4 | 3 1/4" Carriage Bolt | 1 | 381748 |
| 5 | Collar w/Set Screw | 2 | 382035 |
| 6 | 5" X 1 1/4" Wheel | 2 | 222607 |
| 7 | Flat Washer | 6 | 315435 |
| 8 | Left Wheel Bracket | 1 | 381292 |
| 9 | 5/16 - 18 Lock Nut | 2 | 380792 |
| 10 | Ratchet Plate | 1 | 381179 |
| 11 | Flat Brass Washer | 1 | 380679 |
| 12 | Retaining Ring | 1 | 381020 |
| 13 | Height Adjustment Pedal Kit (Includes 10, 14 &15) | 1 | 381322 |
| 14 | 1/4 - 20 X 3/8" Screw | 2 | 380903 |
| 15 | Int Tooth Washer | 2 | 380695 |
| 16 | Adjustment Pedal Spring | 1 | 382043 |
| 17 | 3/8 - 16 Nut | 2 | 380741 |
| 18 | 1 1/4" Swivel Caster | 2 | 381098 |
| 19 | 1/4 - 20 X 7/8" Screw | 5 | 380857 |
| 20 | Lockwasher | 2 | 368849 |
| 21 | Flat Washer | 5 | 380652 |
| 22 | 4" Spring Tube | 1 | 381756 |
| 23 | 1/4" Lockwasher | 5 | 342858 |
| 24 | 1/4 - 20 Nut | 3 | 380881 |
| 25 | Cover Assembly | 1 | 381381 |
| 26 | 3" Bumper | 1 | 381438 |
| 27 | #8 - 5/8" Hi-Lo Screw | 2 | 434892 |
| 28 | Linkage Retainer | 1 | 381241 |
| 29 | 4 1/4" Carriage Bolt | 1 | 381721 |
| 30 | Right Wheel Bracket | 1 | 381284 |
| 31 | 6 - 32 X 3/8" Screw | 2 | 377155 |
| 32 | 6 - 32 Hex Nut | 1 | 377171 |
| 33 | Spacer | 5 | 322660 |
| 34 | 1/4" Flat Washer | 7 | 380652 |
| 35 | 1/4" Lockwasher | 5 | 342858 |
| 36 | 1/4 - 20 Hex Nut | 2 | 338966 |

# Bag Adaptor and Bumper Replacement Parts List




| Ref No | Part Description | Qty | Part No |
|---|---|---|---|
| 1 | Flat Gasket | 1 | 381551 |
| 2 | Flat Gasket | 1 | 385492 |
| 3 | Hose Adaptor | 1 | 385468 |
| 4 | 10 X 5/8" Hi-Lo Screw | 4 | 306606 |
| 5 | 2 1/2" Dia X 3" Hose | 1 | 321036 |
| 6 | Bag Adaptor | 1 | 384674 |
| 7 | Disposable Paper Bag (5 Pk) | 1 | 332844 |
| 8 | Bumper | 1 | 441627 |
| 9 | Steel Washer | 4 | 369519 |

# Trouble Shooting Guide

**Caution:**

**Disconnect power before servicing vacuum.**

## PROBLEM: *Vacuum motor does not run.*

| POSSIBLE CAUSE: | POSSIBLE SOLUTION: |
|---|---|
| 1. Broken or loose belt. | 1. Replace or retighten belt. |
| 2. Brush seized with nap or strings. | 2. Clean bearings and brush of debris. |
| 3. Motor failure. | 6. Contact manufacturer or service center. |

## PROBLEM: *Loss of vacuum.*

| POSSIBLE CAUSE: | POSSIBLE SOLUTION: |
|---|---|
| 1. Loose or broken fan. | 1. Contact manufacturer or service center. |
| 2. Motor failure. | 2. Contact manufacturer or service center. |
| 3. Broken housing. | 3. Contact manufacturer or service center. |
| 4. Full paper filter bag. | 4. Replace filter bag. |

## PROBLEM: *Motor will not run.*

| POSSIBLE CAUSE: | POSSIBLE SOLUTION: |
|---|---|
| 1. Broken switch. | 1. Contact manufacturer or service center. |
| 2. Damaged line cord. | 2. Contact manufacturer or service center. |
| 3. Damaged motor | 3. Contact manufacturer or service center. |

## PROBLEM: *Dust blowing from vac when running.*

| POSSIBLE CAUSE: | POSSIBLE SOLUTION: |
|---|---|
| 1. Full paper filter bag. | 1. Replace paper filter bag. |
| 2. Paper filter bag not installed or off adaptor. | 2. Reinstall paper bag. |
| 3. Cloth filter bag dirty. | 3. Clean cloth filter bag |

## PROBLEM: *High pitched whine.*

| POSSIBLE CAUSE: | POSSIBLE SOLUTION: |
|---|---|
| 1. Loose belt. | 1. Tighten belt. |
| 2. Broken or chipped fan. | 2. Contact manufacturer or service center. |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**Warning:**

**Repairs should only be performed by an authorized service center.**